The Resonator

Official Newsletter of the Fair Lawn (NJ) Amateur Radio Club

Volume 11, Number 2 **www.FairLawnARC.org** **February 2026**

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Remember:
Ham Radio Is a Contact Sport!

President's Message

FLARC has hit the ground running in the New Year! We kicked things off with a great meeting and an excellent Winter Field Day. We had strong participation, plenty of operators on the air, and a great group of members that made the event a lot of fun. It was full of friendship, teamwork, and good camaraderie. Thanks to everyone who came out and helped make it such a success.

We've also made some nice upgrades at the station. Our new 6- and 10-meter beam is up and running, giving us more operating options on those bands. A big shout-out to the Tech Committee for all their hard work and for keeping our stations in top shape.

FLARC also jumped into the VHF contest. While it wasn't a huge point generator, the group that participated had a great time operating together and enjoying each other's company—which is what really counts.

There's more coming up over the next few months, including additional contests, club events, and before you know it, our Annual Hamfest. On Saturday, March 7th we are scheduled to present Amateur Radio at the *Ridgewood Super Science Saturday* event. We'll need at least six or seven members to help out – let KD2SOG [**fairlawnradio@gmail.com**] if you want in on the fun.

If you haven't been active lately, now's a great time to jump in and be part of the fun. At FLARC, the best is still ahead!

"See you on the radio"

73,

Nomar, NP4H

One Group, One Vision: The Power of Teamwork

One Group, One Vision: The Power of Teamwork at the Fairlawn Amateur Radio Club

Amateur radio has always been about more than radios, antennas, and frequencies. At its heart, it is about people — people coming together to learn, to serve, and to build something greater than any one individual could accomplish alone. That spirit of teamwork is exactly what makes the Fairlawn Amateur Radio Club such a special organization.

The strength of our club comes from a shared vision. We are one group working toward common goals:

- advancing our technical skills,
- supporting emergency communications,
- promoting amateur radio in the community, and
- ensuring that knowledge is passed on to the next generation.

When everyone contributes, whether by teaching, learning, mentoring, or simply showing up, the entire club grows stronger.

Supporting the Fairlawn Amateur Radio Club means supporting that vision. It means attending club hours, participating in discussions, and being present. Club hours are more than scheduled time on a calendar; they are opportunities to connect, to ask questions, to share experience, and to build trust. Every meeting strengthens the bonds that make teamwork possible.

Recruiting new members is another vital part of our success. New members bring fresh perspectives, new energy, and new ideas. Just as importantly, they ensure the future of amateur radio and the longevity of the club itself. By welcoming newcomers, encouraging curiosity, and offering guidance, we create an environment where everyone feels comfortable learning and growing.

Teaching and assisting one another is where the club truly shines. Whether it is helping someone study for a license, troubleshooting equipment, building antennas, or preparing for public service events, the willingness to share knowledge defines who we are. No one succeeds alone in amateur radio and at Fairlawn ARC, no one is expected to.

Working toward a common goal unites us. From improving station capabilities to supporting community events and emergency preparedness, each project becomes a shared mission. When members collaborate, challenges become manageable and achievements become meaningful.

As a new member, I feel genuinely privileged and honored to be part of the Fairlawn Amateur Radio Club. The welcoming attitude, the depth of experience, and the commitment to teamwork make it clear that this is more than just a club — it is a community.

Being included, supported, and encouraged from the very beginning is something I deeply appreciate.

One group. One vision. Together, we continue to learn, grow, and serve – stronger as a team than we could ever be alone.

Thank you,

Louie N2NVE

Ham Radio Class Forming Now

The ARC^2 Radio club will be holding
a 2-day in-person Technician Radio License class
where you can learn everything you need to pass your
35-question exam and earn your
Technician (entry level) **FCC Amateur Radio License**.

The Technician license is your gateway to the world-wide excitement of Amateur Radio and emergency communication … and now you do NOT need to learn Morse code!

Class: 2 days (Saturday and Sunday) March 21-22, 2026
Time: 8:00 am to 4:30 pm

Location: Fairfield, NJ Red Cross office
209 Fairfield Road, Fairfield, NJ 07004
(Entrance from parking lot)

Class Fee: $25 (snacks & facility)
Exam Fee: $15 (payable at exam)
FCC Fee: $35 (payable to FCC within 10 days of the exam)
Schedule:

- Class: all day Saturday, 8 am to about 4:30 pm
- Review: Sunday, 8:30 am to about 1 pm
- Exam: Sunday, after review

Registration required: *(with full name, address, cell number)*
Registration closes March 13th or when class reaches full capacity of 20.
You will need to get an FCC Federal Registration Number (FRN), instructions for getting FRN upon registration.

To register: email the instructor: **NB1LL@ARRL.net**
Instructor: Bill Kelly, NB1LL (that is a #1 in NB1LL)
The instructor will send confirmation with instructions for getting FRN

ARRL The national association for AMATEUR RADIO®

Ham Radio Class Forming Now

ARC Squared Radio club will be holding
a 2-day in-person Amateur General Radio License class
where you can learn what you need to pass your
35-question exam and earn your upgrade to a
General FCC Amateur Radio License.

The General license is the second of three
U.S. Amateur Radio licenses.
To upgrade to General, you must hold a Technician license.
Upgrading to a General conveys extensive HF privileges.

Class: 2 days (Saturday and Sunday) May 16-17

Time: 8:00 am to about 4:30 pm

Location: Fairfield, NJ Red Cross office
209 Fairfield Road, Fairfield, NJ 07004
(Entrance from parking lot)

Class Fee: $25 (snacks & facility)

Exam Fee: $15 (payable at exam)

Schedule:

- Pre-Studying is required
- Class: all day Saturday, 8 am to about 4:30 pm
- Review: Sunday, 8 am to about 1 pm
- Exam: Sunday, after review

Registration required: *(with full name, address, cell number, call sign)*
Registration closes May 8th or when class reaches full capacity of 20.

To register or to ask questions, email: **NB1LL@ARRL.net**

Instructor: Bill Kelly, NB1LL (that is a #1 in NB1LL)

ARRL The national association for AMATEUR RADIO®

Recent Tower Work at W2NPT

— reported by Jim W2JC

Our club station, W2NPT, now has a new "dual" Yagi beam for both 10 meters and 6 meters which is installed on Tower 2 – the tower that has held our vertical antenna for the repeater for years.

The repeater antenna, which was mounted on a mast attached to the side of the tower and has been at an awkward tilt for quite a while (due to a wind storm and a mounting bracket that slipped), was also replaced with a new one that is higher and above the tower.

The older vertical antenna needed to be replaced because the combination of it and the new 10/6m beam would have exceeded the "wind load" specifications for our installation. The older vertical has been sold, to recover part of our investment and to offset part of the cost of the newer lighter vertical.

Planning, purchasing and scheduling for this project took quite a while, but everything came together in January after we found a good, available and insured tower climber — Noah K2NG.

The install project had to be broken into two days, as there was too much to do the first day before dark.

After lowering the mast and original repeater vertical antenna, the vertical had to be removed from the mast.

The new vertical antenna had to be attached to the mast, and the mast was then pulled back up against the tower. A "gin pole" had to be attached to the tower, sticking way above the top of the tower, so that the mast could be hoisted by the pulley on the gin pole so the bottom of the mast would be above the top of the tower!

Then the mounting plate for the rotator had to be installed inside the tower, followed by the thrust bearing/plate higher inside the tower.

The mast was then removed from the hinged bracket arrangement that was holding it on the tower. The mast had to be raised above the top of the tower and then slid down through the thrust bearing and down to the rotator, and bolted in place.

At that point, it was time to hoist the beam antenna from the roof up alongside the tower to the top and then aligned and bolted to the mast (much easier said than done!). All this time, Noah was working without any gloves – in 32 degree weather – handling all that metal hardware.

The weekend after this work was done, W2NPT participated in the ARRL VHF Contest and the 6m beam performed admirably!

Photo credits: KE2FWN, KE2HMY, N2BTD, W2MSA, WO2W

2026 Dues are due now

New members: only $20 for your first year ! And if you sign up after October 1st you get next year free.

There are no changes to dues for the upcoming year. Renew now, and let us know what activities or features would make you more active with the club.

Please makes checks payable to:
"**Fair Lawn Amateur Radio Club**"
and send them to:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

Please include a member application form with your $25 check regardless of your member status.
It can be found at
https://fairlawnarc.com/membership.html

EmComm SIG Updates

[Emergency Communications via Ham Radio]

Amateur radio operators use their training, skills, and equipment to provide communications during emergencies. Hams serve our communities when storms or other disasters damage critical communication infrastructure, including cell towers, and wired and wireless networks. Amateur radio can function completely independently of the internet and phone systems. An amateur radio station can be set up almost anywhere in minutes. Hams can quickly raise a wire antenna in a tree or on a mast, connect it to a radio and power source, and communicate effectively with others.

The **FLARC EmComm SIG** is working closely with the NENJ-ARES group (North East NJ) to create an area-wide corps of well prepared hams who can handle emergency communications accurately and efficiently.

Times have changed and we can now use digital message formats as well as voice messaging.

If you would like to learn more about this phase of ham radio, send an email to —

main+owner@NENJ-ARES-EMCOMM.groups.io

or contact Jim N2JLF at N2JLF@arrl.net

The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to: https://archive.org/details/flarc-resonator

You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

http://apparel.FairLawnARC.org
http://auction.FairLawnARC.org
http://blog.FairLawnARC.org
http://calendar.FairLawnARC.org
http://events.FairLawnARC.org
http://exams.FairLawnARC.org
http://facebook.FairLawnARC.org
http://news.FairLawnARC.org
http://swap.FairLawnARC.org
http://tech.FairLawnARC.org
http://youtube.FairLawnARC.org

https://groups.io/g/FairLawnARC

FAIR LAWN
70 YEARS
N J
1956 2026
AMATEUR RADIO CLUB

The Fair Lawn Amateur Radio

Why is FLARC New Jersey's Most Exciting Radio Club?

Annual and Special Events

- Field Day
- Winter Field Day
- World Amateur Radio Day
- Portable Day
- Earth and Environmental Days
- Field Trips
- Special Even
- Public Service Activities
- Public Events
- Ham Fests and Auctions
- Foxhunts
- Youth Activities and more

There Is Something Every Night At FLARC!

- Monday: Near and Far Net
- Tuesday: DMR Net and Open House at the clubhouse
- Wednesday: ARES/RACES Net
- Thursday: Tech Net
- Friday: Open House at the clubhouse or Kawfee Towk Speaker Series (Monthly via Zoom) Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts

Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active public service participation
- An extensive video education archive

That is Why FLARC is the Most Exciting Club Around!

Come join us In-person or via Zoom for more activities, speakers, and projects!

www.fairlawnarc.org YouTube

The Club Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Business Meeting scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2026 Officers, Committees and Assignments		
President	**Nomar Vizcarrond**	**NP4H**
Vice President	**Gene Ottenheimer**	**WO2W**
Treasurer	**Bob Antoniuk**	**N2SU**
Secretary	**Jim Cooper**	**W2JC**
Trustee	**Lowell "Van" VantSlot**	**W2DLT**
Trustee	**Noel Pagan**	**W2MSA**
Trustee	**Skip Barker**	**KD2BRV**
Member Services ***Health & Welfare***	**Judith Shaw**	**KC2LTM**
Marketing	**Nomar Vizcarrondo** **Jim Cooper**	**NP4H** **W2JC**
Program	**[open]**	
Video/YouTube	**[open]**	
Social Media	**Brian Duddy** **Thom Guida** **Dave Marotti**	**N2BTD** **W2NZ** **NK2Q**
Photographer	**Robert Marchini**	**KD2SOG**
Community Relations	**Gene Ottenheimer** **Dave Gotlib**	**WO2W** **KD2MOB**
Field Day 2026	**[open]**	
Winter Field Day 2026	**Noel Pagan**	**W2MSA**
Hamfest	**[open]**	
Auction	**[open]**	
Education	**[open]**	
Youth Outreach	**Robert Marchini**	**KD2SOG**
Adult Outreach	**Lowell "Van" VantSlot** **Jim Cooper**	**W2DLT** **W2JC**
VE Testing Coordinator	**Gene Ottenheimer**	**WO2W**
Special Events	**James Gallo**	**KB2FMH**
Contests	**Lowell "Van" VantSlot**	**W2DLT**
FLARC Historian	**Fred Belghaus**	**KR2H [W2AAB]**
Webmaster ***Asst. Webmaster***	**Jim Cooper** **David Kozinn**	**W2JC** **K2DBK**
Technical Chair	**Dave deCoons**	**WO2X**
EmComm ***RACES/ARES Director*** ***RACES/ARES Liaison***	**Jim Breheny** **Dave Gotlib** **Steve Wraga**	**N2JLF** **KD2MOB** **WA2BYX**
Newsletter Editor ***Newsletter Publisher***	**Jim Cooper** **Jim Cooper**	**W2JC** **W2JC**
Club Station Manager	**Noel Pagan**	**W2MSA**
Quartermaster	**Brian Cirulnick**	**KD2KLN**

Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a $15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or (toll free in NJ) 888.486.3339 to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. Or find the form and detailed instructions at:

https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf

Letters: A feature of *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

Here are the grounds rules:

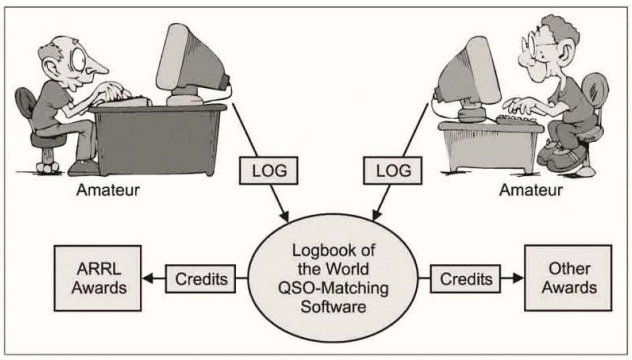
- *Please keep all comments as brief and succinct as possible.*
- *No personal attacks.*
- *No political rants.*
- *No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.*
- *The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.*

A QSL card is the final courtesy of an amateur radio contact.

https://en.wikipedia.org/wiki/QSL_card

INCOMING QSL Bureau -- if you have been making on-the-air contacts, you might very well have a package of exciting QSL cards from around the world waiting for you at the incoming QSL Bureau. If you previously received cards from them, check to see if you have any "credits" left by going to https://www.njdxa.org/?page_id=869 If you never contacted them, they probably have cards for you! Go to this page -- https://www.njdxa.org/?page_id=25 and get some 'credits' to cover the postage for mailing your cards to you.

To learn about the W2 Bureau, https://www.njdxa.org/?page_id=30



Those who upload logs to Logbook of the World become eligible to redeem confirmation credits for awards. LoTW wants and needs *all* logs. Uploading is free, so send your logs today!

Follow FLARC ON THE WEB

Facebook: http://facebook.FairLawnARC.org

Twitter: @FairLawnARC

Youtube: http://youtube.FairLawnARC.org

Website: http://FairLawnARC.org

SIG Group Membership

Here is an update on the Special Interest Groups… many groups have increased in size during the last month. About 45% of all members have joined at least one group.

SIG Name	Leader
Contesting	W2DLT
Digital Voice	N2AAM
Drones *	KB2BEE
EmComm	N2JLF
Mesh Net	W2KBF
Monitoring	WX2R
DX	W2JC
FT8	W2JC
Satellites	N2AAM
Portable Ops	W2MSA
Radio Astronomy	WX2R
Raspberry pi	[open]
Direction Finding	W2KBF

* **New group**

Sign up for a group... or … why not start one?

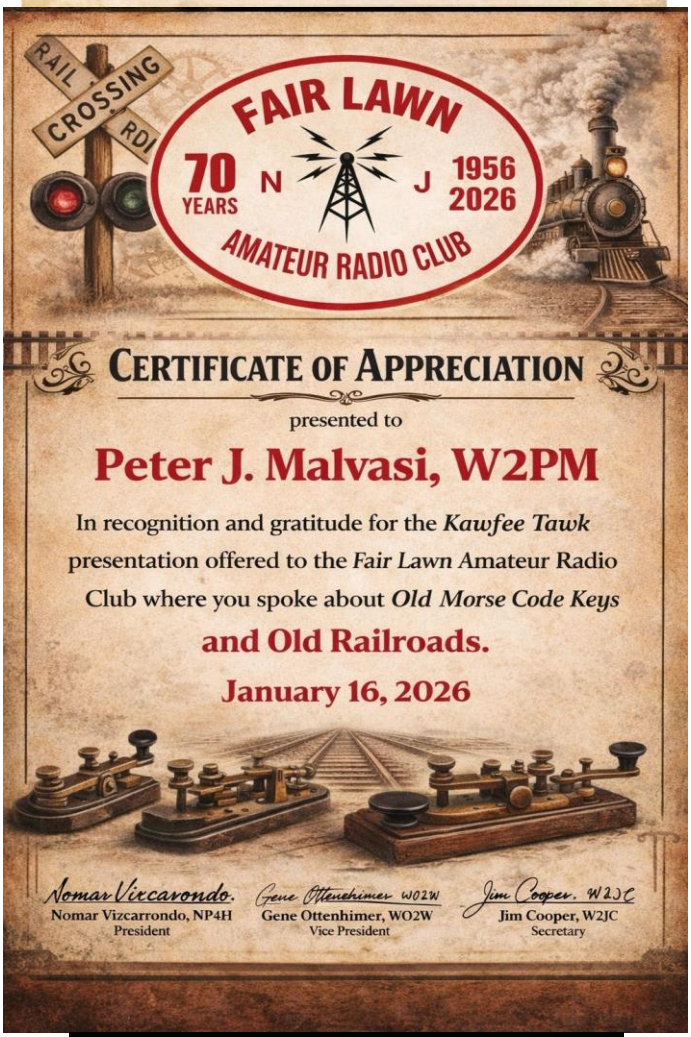
Contact webmaster@FairLawnARC.org if you would like to start a new Special Interest Group.

The Clubhouse Is Open THREE Fridays In February!!

Date	Clubhouse Status
Feb. 6	CLOSED – Business Meeting at Fair Lawn Senior Center
Feb. 13	OPEN
Feb. 20	OPEN
Feb. 27	OPEN

Pop-Up Tuesdays are in-person at the club.

Certificate of Appreciation
FAIR LAWN
70 YEARS
N J
1956 2026
AMATEUR RADIO CLUB
Presented to
Christopher "Chris" Kerrigan, KE2NJ
In recognition of your Kawfee Tawk presentation on activating POTA sites in the Emerald Isle of Ireland and sharing your fascinating experiences with our club.
Presented on January 9, 2026 by the
Fair Lawn Amateur Radio Club
Thank you for your outstanding contributions!
Nomar Vizcarrondo, NP4H President
Gene Ottenheimer, WO2W Vice President
Jim Cooper, W2JC Secretary


RAIL CROSSING
FAIR LAWN
70 YEARS
N J
1956 2026
AMATEUR RADIO CLUB
CERTIFICATE OF APPRECIATION
presented to
Peter J. Malvasi, W2PM
In recognition and gratitude for the Kawfee Tawk presentation offered to the Fair Lawn Amateur Radio Club where you spoke about Old Morse Code Keys and Old Railroads.
January 16, 2026
Nomar Vizcarrondo, NP4H President
Gene Ottenheimer, WO2W Vice President
Jim Cooper, W2JC Secretary

FLARC January 17, 2026 VE Testing Results

Gene **WO2W** reports the following results:

Name	Call	License Earned
Anthony Lepre	KE2HMY	Technician

Testing for next month will be at the Fair Lawn Recreation Center.

Twelve Special Interest Groups [SIGs] Already Formed: Any Others?

Club interest continues to grow in the SIGs.

Another recently formed SIG is for those interested in Raspberry Pi and Arduino projects, but now includes DoItYourself (DIY)/Makers kit building, 3D printing and similar topics. Unfortunately, we've heard nothing from the **DIY group** since it was formed.

The **Drone SIG** was requested a couple of months ago and nothing has been heard from them either.

A list of all of the current SIGs is shown on page 2.

Other possible groups, from the member survey, include:

- *Radio Propagation*
- *Antennas and how they work*
- *Ham radio software*
- *Technical assistance to club members*

Anyone interested in leading any of these groups…?

Please contact webmaster@FairLawnARC.org

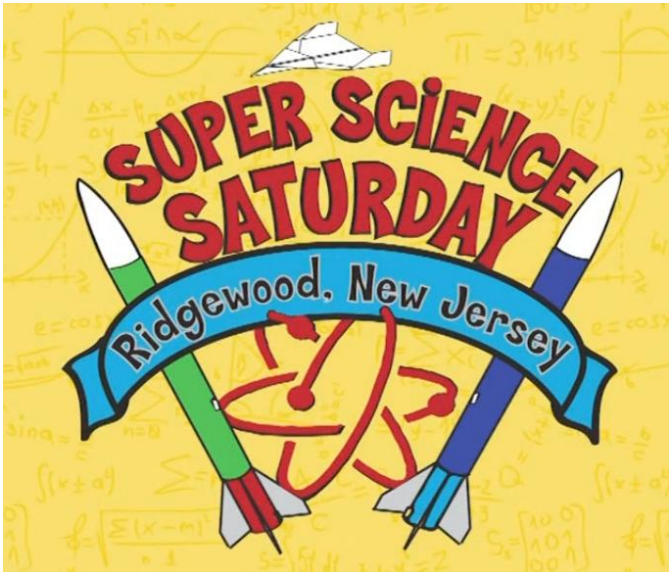
Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at http://youtube.FairLawnARC.org

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at http://newsletters.FairLawnARC.org

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

https://fairlawnarc.groups.io/g/main/files



Saturday, March 7th 2026
Ridgewood NJ High School
627 East Ridgewood Avenue

Join us at Super Science Saturday on March 7, 2026 for a wonderful day filled with science, learning, and discovery! See and interact with dozens of adult and child presenters, everyone is ready and excited to share their science knowledge with you! Super Science Saturday is an annual science expo that aims to empower students and adults to share their love of science with kids, families, and science enthusiasts of all ages.

Club Apparel — Get Them While They're RED!

Club apparel is always in vogue. Red is always "in" and your club friends all have them… you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

Don't forget…. they're easy to order.
Go to www.hamthreads.com
or visit http://apparel.FairLawnARC.org

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color**.**

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.

It's easy to spot FLARC members wearing their red club shirts !

Ham Radio Is Contagious
And It Won't Make You Sick!!

2026 FLARC Net On The W2NPT Repeater:

Near and Far Net • Mondays at 8PM

W2NPT Repeater and EchoLink

Special Note: *The IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby.* ***The ARRL does that for us.***

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https://newhams.info/

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such as gift is worthy.

This is YOUR club.... Be a part of it !!

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a Business Meeting is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the Fair Lawn Senior Center, and on Zoom**.**

Visitors <u>ARE ALWAYS</u> welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL **167.9**) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has 150 paid members.
Dues are currently $25 per year;
$20 for new members.

For more information, please see our website, at
http://membership.FairLawnARC.org

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FAIR LAWN'S COMMUNICATIONS CENTER!

With Our Antennas On The Roof!

Theoretics Demystified

Transistors, devices that changed the world!

The transistor was originally known as a solid-state triode. All transistors work by controlling the flow of electrons. There are 3 terminals:

the EMITTER, similar to the cathode in a tube,
the BASE, like the control grid, and
the COLLECTOR, which acts like the plate in a tube.

Silicon is one of the materials that transistors or diodes are made of, but silicon itself does not conduct electricity so special impurities are added to make it a SEMI conductor.

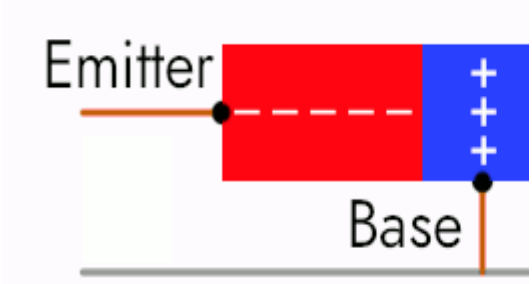
Following is a simple explanation of how a transistor works:

A transistor consists of 3 layers of semi-conductor material arranged and called emitter, base and collector. A small current supplied at the base makes a larger current flow between the emitter and collector; thereby the transistor acts as an amplifier. When there is no current at the base, little or no current flows between the emitter and collector. In this way the transistor acts in a way similar to a vacuum tube triode.

There are two types of semiconductor material used [in this case silicon]:

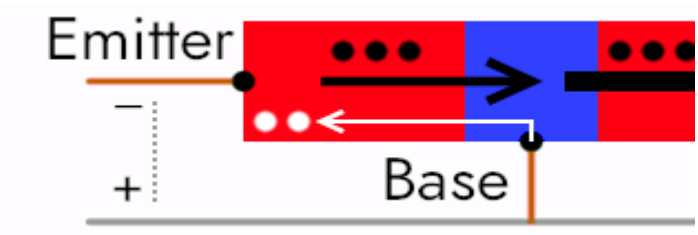
P type which is normally short of electrons [that is why the diagram shows lack of electrons making, it positive] and

N type which has EXTRA electrons, making it negative.



The P type has HOLES or spaces in the atom's outer layer where the missing electrons should be, and those atoms act as a barrier between the emitter and collector – until a current is supplied at the base and the electrons and holes start moving across the two junctions between the N type and the P type silicon.

Next, we see the transistor in action.



A small current at the base makes a big current flow between the emitter and collector, thereby acting as an amplifier.

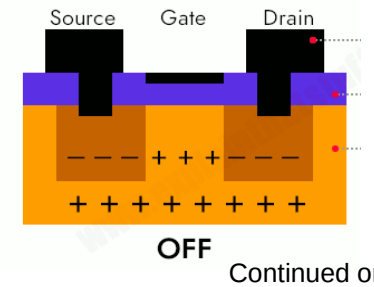
A varying current at the base produces a larger varying current in the emitter/collector circuit. By itself a transistor does nothing until it is in some type of circuit. [as with any active device]. This type of transistor is called bipolar as there are two different electrical charges involved in its operation.

Aside from just amplification, the transistor can act as a simple switch — when the base has a current applied to it or not.

In computers and your phones there are sometimes billions of sub microscopic transistors in a single chip.

Another type of transistor is the MOSFET (Metal Oxide Field Effect Transistor). It works by having a voltage on its gate [like the base] and creates an effect thereby controlling current flow. The effect has an input resistance that is extremely high.

Below is a pictorial of how a MOSFET works. The voltage applied to the GATE of the device creates a field that allows current flow between the source and gate. The orange is semiconductor material; the purple is the oxide and black represents the metal contacts. Light orange is P type and dark orange is N type.



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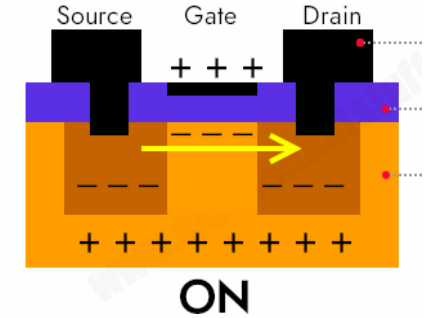
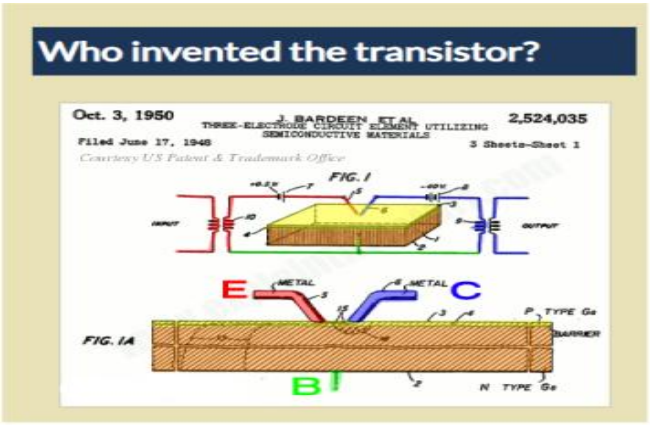
Theoretics Demystified, cont'd



The advantage of the MOSFET is that there is very little loading on the circuit that is connected to the GATE input.

Transistors have changed the world. Today's electronics would not be possible without them, especially with the micro-micro miniaturization that makes up our phones, monitors, PCs and other devices – including medical devices.

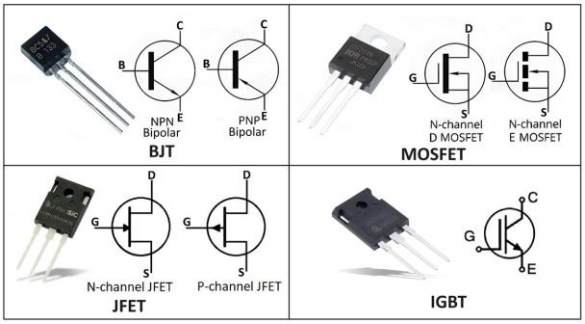
This column only scratches the surface regarding semiconductor devices.



Dr. Bardeen and Dr. Britain filed the patent for the transistor on October 3rd in 1950.

The device that changed the world! There is much more to this story, so look it up!!

Fred Wawra, W2ABE, 73.



Hamspeak

SEMICONDUCTOR:

Substances that have electrical conductivity ranging between that of a conductor and an insulator. Silicon [derived from sand] is most common and after that gallium arsenide are examples of semi-conductors.

DOPING:

The process of adding specialized substances that affect the characteristics of semiconductor materials.

N TYPE:

This type of semiconductor has an excess of electrons, making it more negatively charged.

P TYPE:

This type of semiconductor has an excess of holes, which is basically the absence of electrons, making them positively charged.

INTRINSIC SEMICONDUCTORS:

Pure – without any impurities.
ie: Silicon and Germanium.

EXTRINSIC SEMICONDUCTORS:

These have added impurities,
making either N or P type semiconductors.

Fred Wawra, W2ABE, 73.

Contest Corner

Winter Field Day

— by Noel W2MSA

I would like to thank everyone who participated in our Winter Field "Day" 2026 event.

The member participation was outstanding.

Many members signed up to take on different tasks, making it easier for me to run this event.

We had about 30 attendees show up throughout the day. The club was open for 12 hours exactly, with 19 operators keeping us on the air for about 9.5 hours. We were able to operate on 7 bands and worked almost all sections except for AK, WMA, VI and a couple of Canadian sections. [See chart below].

We were able to achieve many of the multipliers and make the most of the time we had. Our club stations performed very well and the new addition of the 10/6m YAGI is a great compliment to the big 20/15/17m YAGI.

I feel pretty confident and happy to say that everybody had a good time.

73, Noel W2MSA
Winter Field Day Coordinator

Calculation of our final score:

Phone QSOs	[1 pt @]	699
Digital QSOs	[2 pt @]	4
CW QSOs	[2 pt @]	239
		===
Total QSO points		942
Multiplier		x 13
		===
Total score		**15405**

DX		3		5		7		0	
DX	MX	DE	MDC	AR	NTX	AK	NV	CO	MO
1		EPA	WPA	LA	OK	AZ	OR	IA	ND
CT	RI	4		MS	STX	EWA	UT	KS	NE
EMA	VT	AL	SC	NM	WTX	ID	WWA	MN	SD
ME	WMA	GA	SFL	6		MT	WY	Canada	
NH		KY	TN	EB	SCV	8		AB	ONE
2		NC	VA	LAX	SDG	MI	WV	BC	ONN
ENY	NNY	NFL	VI	ORG	SF	OH		GH	ONS
NLI	SNJ	PR	WCF	PAC	SJV	9		MB	PE
NNJ	WNY			SB	SV	IL	WI	NB	QC
						IN		NL	SK
								NS	TER

Blue are sections we worked;
Red are those we missed.

WOW!

What a fun filled Winter Field Day!

The three primary HF stations were rockin' all day and the chairs were never empty. Winlink, Varac, and 2M SSB contacts were also made for additional bonus points as well as copying the WFD bulletin.

It was great to see the newer hams jump right in and for some get their first taste of contesting. Everyone that wanted to operate got to play.

Our equipment functioned flawlessly and our newly installed 6M/10m beam was burning up the airwaves on 10M.

Mike's chili and the tasty hot dogs kept our bellies full along with the treats several members brought in.

I enjoyed my operating time but the best part for me was seeing the clubhouse filled with FLARC members all day!

Thanks to Noel and the rest of the team for making WFD 2026 one for the record books!

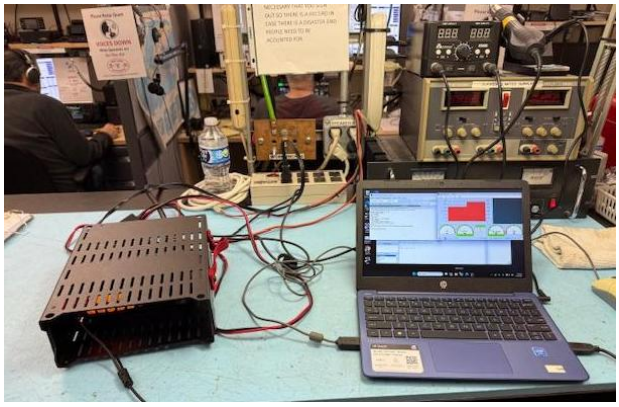
73, Steve WI2W

Winter Field Day 2026
Certificate of Participation
presented to Amateur Radio Station
W2NPT
for their active and invaluable participation during the 2026
Winter Field Day Event. The WFDA, gratefully thanks you for your effort and
recognizes your dedication to improving your operating skills,
which may be crucial during an emergency event.
Contacts Logged: 942
2026
Marvin Turner, President
Winter Field Day Association

Alex WO2L operating 10m at Position 1

Contest Corner, continued — Winter Field Day reports

(L) Marc KE2MT at Position 3
(R) Steve WI2W at Position 4



K2EFG's WinLink setup got us a multiplier

Attendees
(in order of arrival)

Brian	N2BTD
Noel	W2MSA
Doug	KE2FWN
David	WO2X
Steve	WI2W
Nomar	NP4H
Mike	KD2YEW
Chris	KE2NJ
Marc	KC2MT
Carolyn	W2KAR
Gene	WO2W
Noe	KD2PHM
Diego	
Fred	KR2H
Sky	KD2SOG
Alex	WO2L
Raz	KE2FEB
John	N1EZO
Tony	KE2HMY
Yigal	K2EFG
Marnita	KD2MVR
Rich	KB2FKE
Brian	KD2KLN
Jim	W2JC
Ari	KD2CAK
Gene	K2KJI
Glenn	N2CJ
Bob	N2SU
Stan	KC0GGS
Henry	KB2BEE
Louie	N2NVE

Total Contacts by Operator:

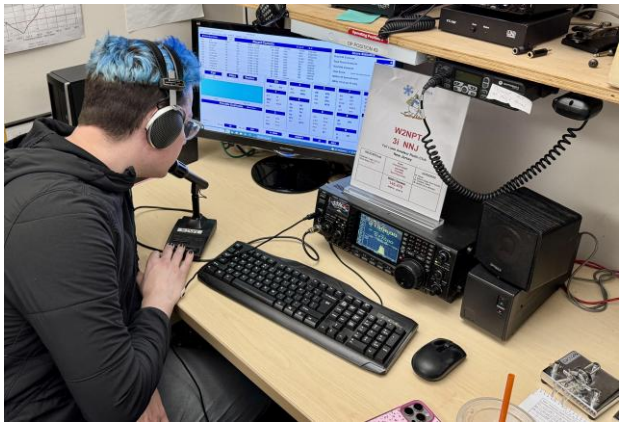
Operator	Total	%
N2BTD	278	30
KD2YEW	119	13
W2MSA	102	11
	100	11
WI2W	91	10
KR2H	61	6
KE2MT	54	6
W2FDC	29	3
N2SU	22	2
W2KAR	21	2
NP4H	17	2
KE2FWN	14	1
KE2NJ	13	1
KD2SOG	8	1
WO2L	8	1
KE2FEB	3	0
W2JC	2	0

Total = 16

Total Contacts by Station:

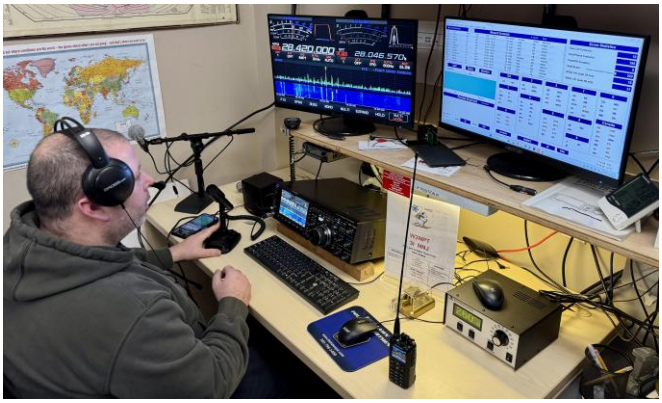
Station	Total	%
FLARCstn4	372	39
FLARCstn1	341	36
FLARCstn3	225	24
FLARCstn2	4	0

In-person QSOs don't count for points, but they are good for camaraderie!



Sky KD2SOG eating the mic at Position 3!

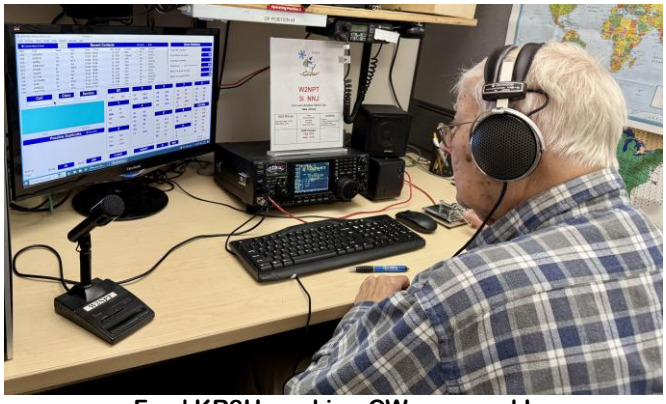
Ryan W2FDC concentrating on 20m SSB at Position 4



Chris KE2NJ checking the log at Position 1

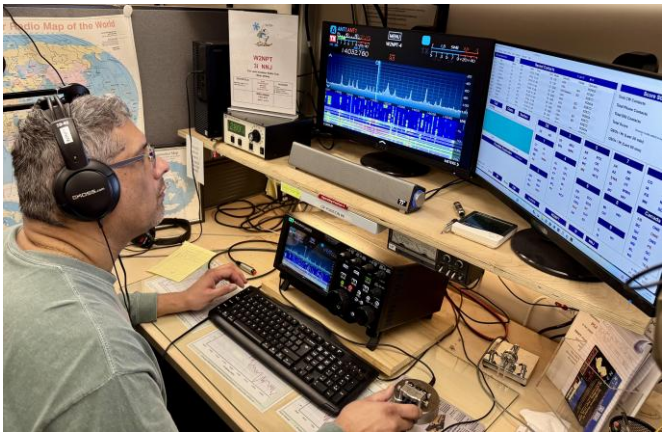
Photo credits: KE2FWN, KE2HMY, N2BTD, W2MSA, WO2W

Winter Field Day, continued



Fred KR2H working CW, as usual !

N2BTD & W2MSA at Position 1 (L)
W2JC at Position 2 (R)
as NP4H waits his turn…



Noel W2MSA works 20m CW at Position 4

Marc KE2MT makes a relaxed CW contact

Newly minted Extra Class Carolyn W2KAR
holds the PTT switch, ready for the next call

Mesh Net SIG Report

— by Karl W2KBF

A group to share and post information and ideas about the new topics of interest -- MeshTastic & MeshCore operations.

This is one of our newest SIG groups, and it has grown quickly. It's an odd area for hams to be involved, because it is basically an unlicensed operating band – so many of the stations (nodes) that are active are not hams, they are just 'neighbors.' But the word is going around that this mode might be useful for EmComm when internet, cellphone and VHF/UHF ham gear are not available or functioning. More info on what it is all about will appear here in the future,

Preparedness: Building a Layered Communications Plan

Preparedness is a continual process and reliable communications are one of the most critical tools during emergencies, severe weather events, and infrastructure outages. Amateur radio clubs like FLARC play a vital role in community preparedness, not just by owning equipment, but by planning, testing, and training for real-world scenarios on a regular basis.

Preparedness is not about a single radio or a single system. It is about layers. When one method fails, another must be ready to take over.

Why Layered Communications Matter

No communications system is perfect. Each has strengths and limitations depending on power availability, terrain, congestion, and infrastructure damage. A layered approach ensures continuity when conditions change.

A well-designed preparedness plan may include RF voice repeaters for wide-area coverage, HF for regional and long-distance communication, digital and VoIP linking when internet connectivity is available, and short-range mesh and simplex options for local coordination. When combined, these layers dramatically improve overall resilience.

RF First: The Backbone of Preparedness

Traditional RF remains the foundation of emergency communications. VHF and UHF repeaters provide fast, familiar access for operators, while simplex allows direct point-to-point communication when infrastructure is compromised.

HF adds another critical layer by enabling regional and interstate coordination when local systems are unavailable. Regular nets, antenna inspections, and power-failure drills help ensure these systems remain usable when they are needed most.

Digital and Linked Systems: Extending Reach

Systems such as AllStarLink, EchoLink, and other VoIP-based solutions extend the reach of local repeaters and allow coordination between geographically separated operators. While these systems rely on internet connectivity, they are valuable during partial outages and recovery phases.

Clubs that maintain both RF-only and RF-plus-internet capabilities are better positioned to adapt as conditions evolve rather than relying on a single method of communication.

Mesh Networking and Local Data Sharing

Mesh networking technologies provide an additional layer of preparedness by allowing devices to communicate directly with each other without centralized infrastructure.

In emergency scenarios, mesh networks can support local messaging between operators, situational awareness updates, and short-range coordination at events or shelters. Mesh networking does not replace traditional radio, but it complements voice systems by filling gaps that voice communications may not address efficiently.

Power: The Often-Overlooked Layer

Communications are only as reliable as their power source. Preparedness planning should include battery backups for radios and networking equipment, portable power options for field deployment, and clear procedures for conserving power during extended outages.

Regularly testing equipment under simulated power-failure conditions is one of the most effective ways to uncover weaknesses before an actual emergency occurs.

Training, Testing, and Participation

Preparedness is not a one-time effort. Ongoing monthly testing and participation from members at

Continued on next page.

Mesh Net SIG Report, continued.

all experience levels are essential. Routine nets, periodic emergency exercises, and hands-on demonstrations help ensure that equipment, procedures, and operators remain ready.

Newer members gain confidence through repetition, experienced operators maintain proficiency, and the club as a whole becomes more capable and reliable.

Preparedness Is a Club Effort

Regular testing and review of communications plans help identify gaps before they become problems. By embracing a layered approach and making preparedness activities part of normal club operations, amateur radio continues to serve its most important purpose: providing reliable communication when it matters most.

— Louie N2NVE

FLARC adds a MeshCore repeater to our "antenna farm"

On MeshCore, look for "W2NPT Repeater"

"Mr Mesh" (W2KBF) installing a new PeakMesh MeshCORE repeater at W2NPT

Update on "MeshCore vs MeshTastic" at FLARC

For quite a few months, the FLARC Meshtastic SIG has been experimenting with many different models of "nodes" and learning about the procedures, protocols and capabilities of Meshtastic, which seems to be gaining tremendous popularity in the North New Jersey area – mostly be non-hams who are apparently attracted to the concept by its similarity to "texting" on cell phones, and the fact that it can be used when cell phone circuits are out or overloaded.

Originally our club members were interested in this mode of communications for its possible use as EmComm during emergencies. Several articles have already appeared in The Resonator analyzing this possible application of Meshtastic.

Meanwhile, in early 2025, another similar mode of operating "mesh networks" appeared, with some very interesting advantages over Meshtastic – at least as far as the applications our SIG members were interested in. The new system is called MeshCore. The same hardware can be used for both of these mesh systems, but the software is very different and they do not communicate with each other. Yet!

Over the last couple of months, several of the SIG members have converted some of their hardware to work as MeshCore nodes and have been experimenting with them to see if we can create a working mesh network in our area.

At present, we have both a MeshCore repeater and a MeshTastic repeater on the roof of the Fair Lawn Community Center. They are both working well, but we need more activity in the area to be effective.

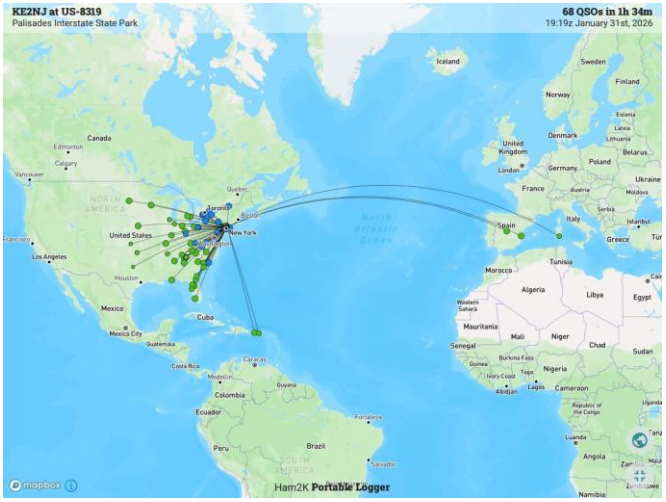
FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc.
The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.

Mike KD2YEW operating POTA/SOTA at Catskill State Park US-8070 and Kaaterskill High Peak W2/GC-008 on February 1st

W2/GC-008 refers to **High Peak** (specifically Kaaterskill High Peak) in the Greater Catskills (W2/GC) association of New York, part of the Summits on the Air (SOTA) amateur radio program. It is a 3,655-foot (1,114 m) peak.



Map shows the contacts Chris made from the park.

ATTENTION!
FLARC MEMBERS
PAY YOUR DUES
ONLINE NOW!
FAIR LAWN
70 YEARS
N J
1956
2026
AMATEUR RADIO CLUB
NEW DUES, RENEWAL, & DONATIONS CAN BE SENT VIA ZELLE!
DUE PAYMENTS NEEDEDED ASAP
TO KEEP YOUR MEMBERSHIP ACTIVE!
196.520 MHz
Zelle
PAY ASAP
Log into your Zelle account
Use phone number 201-240-9317 as the recipient
Include your Call Sign & year(s) in the notes section
Log in and pay your dues before you miss out!
If you need help, or want added assurance – email
treasurer@FairLawnARC.org
Visit: www.FairLawnARC.org for more info!

For a PDF form that can be filled in on-line, then printed and mailed with check, CLICK HERE

Or you can print this page, fill it in and mail to the address shown at the bottom.

Fair Lawn Amateur Radio Club

Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, N.J. 07410

MEMBERSHIP/RENEWAL FORM

Name_____ **Call** _____

Address_____ **PO Box**_____ **Ste./Apt #**_____

City _____ **State** _____ **Zip** _____

Roster Published Phone #_____ **Unpublished Phone #**_____

Roster Published EMAIL _____ **License class:** _____

Check all that apply **ARRL Member ?** **RACES Member ?** **ARES Member ?** **CERT ?** **VE ?**

Additional Family Members (In same household) --

Name_____ **Call** _____

Name_____ **Call** _____

Introductory and Student Membership (Students under the age of 18 eligible for student membership) (Introductory membership open to new members or not a member in last 7 yrs)	**$ 20**	**$**_____
Associate Membership *	**(No Fee)**	
* Open to Fair Lawn Residents Only. No voting rights or other privileges.		
Renewal of Current Membership	**$ 25**	**$**_____
Three Year Renewal Incentive	**$ 65**	**$**_____
(Single memberships only, family memberships excluded)		
Additional Family Members #_____ at	**$ 5 each**	**$**_____
Life Membership	**$ 625**	**$**_____
Senior Life Membership (65 yrs. of age or over)	**$ 250**	**$**_____
Equipment Fund Donation, above regular membership dues		**$**_____
		==========
	Total submitted	**$**_____

_____ **Date**_____

I hereby acknowledge the By laws and rules and regulations of the club and will abide by them as amended

Please Note: Memberships are NOT Pro-Rated. Membership is from Jan 1st to Dec. 31st of any given year unless documented otherwise.

Please make your dues check payable to the "Fair Lawn Amateur Radio Club" and remit to the following address:

Fair Lawn ARC
– Attn: Treasurer
10-10 20th Street
Fair Lawn, NJ 07410

February 2026
FLARC Business Meeting Minutes

Meeting Summary for FLARC February Monthly meeting

Feb 06, 2026 06:28 PM Eastern Time

Quick recap

The meeting began with technical difficulties being resolved, followed by a presentation from Fred W2ABE on his antique radio and clock collection. Following the Kawfee Tawk presentation, the business meeting began with the approval of last month's meeting minutes as published in the club newsletter, The Resonator, and updates from various committees including the Treasurer's Report and Technical Committee's progress. The FairLawn Amateur Radio Club discussed upcoming events and activities, including a VE session, Ed Wilson's potential speaking engagement, and a detailed review of their successful Winter Field Day event. The conversation ended with discussions about future events and activities, including the International DX Contest and ARRL's 250th anniversary celebrations, along with a vote on proposed bylaw changes.

Next steps

- Technical Committee: Write up and publish a procedure on how to control the PST rotator from any operating position.
- Technical Committee: Spec out and acquire a faster computer for Position 2 (FT8), and move the current Position 2 computer to Position 3.
- Technical Committee: Ensure headphones/junction box solution is implemented for Position 4, allowing for different types of headphones and minimizing noise for DX contest operation; Fred KR2H to bring in a sample junction box on Sunday for reference.
- Fred KR2H: Bring a homebrew junction box to the club on Sunday as a reference for the technical committee.
- All interested members: Sign up with Nomar NP4H (or designated coordinator) if planning to participate in the International DX CW Contest on February 21st.
- Technical Committee/Contest Coordinator: Hold a planning meeting before the International DX CW Contest to coordinate band usage and operator assignments to minimize interference.
- Steve WA2BYX: Research the possibility of a club outing/portable operation at Campgaw Mountain Reservation (Mahwah) for the June or September VHF contest and report back to Nomar.
- Nomar NP4H and Van W2DLT: Set up and publish the club contest calendar, and share with Jim W2JC for publication in the Resonator.
- Nomar NP4H: Prepare a special email address for W1AW/2 log submissions and coordinate with Southern New Jersey section for scheduling and log collection for the ARRL 250th anniversary special event.
- Nomar NP4H: Provide instructions to Jim W2JC regarding submission of the Resonator archive for ARRL 250th anniversary club publication prizes.
- All members: Volunteer for participation in the March 7th youth outreach event at Ridgewood High School, and inform Robert KD2SOD or FairLawn of availability.
- FairLawn: Reach out to Rob KC2ORX to confirm his participation in the March 7th youth outreach event.
- All members: Consider and propose ideas for special events or activities for the club's 70th anniversary and 2026 events; inform Nomar NP4H if willing to spearhead or help execute.
- Nomar NP4H: Provide more details at the next meeting regarding plans and responsibilities for the ARRL 250th anniversary W1AW/2 operations and related events.

Continued on next page.

February 2026 FLARC Business Meeting, cont'd.

Summary

Technical Challenges Halt Project Discussion

The meeting participants experienced technical difficulties with audio and screen sharing, making it difficult for them to communicate effectively.

Antique Radio and Clock Collection

Fred W2ABE gave a presentation on his antique radio and clock collection, showcasing various historical items including crystal radios, tube amplifiers, and early telephones. He explained the workings of different radio and clock technologies, highlighting rare pieces and their historical significance. The presentation included detailed descriptions of super regenerative radios, brass clocks, and electronic pendulum clocks, with Fred sharing personal stories about acquiring some of the items.

Fred's W2ABE presentation showcased his extensive collection of antique radios, clocks, telegraph equipment, and other historical items, many of which date back over 100 years. He explained the origins and features of various pieces, including a Weston electric instrument, early 20th-century radios, and a Navy clock that required restoration. Fred also mentioned his collection of cypress trees, kerosene lamps, and other household items for emergency preparedness.

Technical and Financial Updates

Bob N2SU presented the Treasurer's Report, detailing deposits and expenditures, noting an upcoming transition to a new account on Sunday.

Dave WO2X provided an update from the Technical Committee, highlighting the completion of Tower 2, participation in the VHF contest, and updates to the PST rotator software. The committee also planned to upgrade the computer at position 2 for better FT8 performance. Nomar NP4H emphasized the importance of courtesy when operating shared stations and encouraged members to use the updated facilities.

FairLawn Amateur Radio Club Updates

The Fair Lawn Amateur Radio Club discussed upcoming events and activities. Gene WO2W announced a VE session for next Saturday with two candidates, and mentioned that Ed Wilson, the Division Director, would speak at the next meeting pending his health situation improving.

Winter Field Day Event Review

Noel W2MSA discussed the successful Winter Field Day event, where they operated for 9.5 hours with 16 operators and achieved a total score of 15,405. He highlighted the use of multiple stations and antennas, and noted that while they didn't reach all their objectives, they still met several requirements for the event. There were 30 people at the club station at various times during the day and evening.

The meeting focused on the success of the recent Winter Field Day event, emphasizing the importance of camaraderie and participation. Nomar NP4H encouraged members to get involved in upcoming events like Field Day and the International DX Contest, highlighting the need for more members to engage and promote the club.

Fred KR2H discussed the logistics of the DX contest, including the importance of coordinating band operations and ensuring proper equipment setup. The club also discussed plans for future events, including a potential club outing to Campgaw Mountain Reservation and participation in the ARRL's 250th anniversary celebrations.

Dave WO2X shared his upcoming knee surgery and recovery timeline, which will affect his participation in club activities. The conversation ended with a vote on proposed bylaw changes, which were approved unanimously by voice vote of those present in person and via Zoom. [The final approved changes appear on the following pages].

The meeting was adjourned and many of the group left for a pizza social elsewhere.

Summary created by Zoom AI with extensive editing by Jim Cooper, W2JC * FLARC Secretary

February 2026 FLARC Business Meeting, cont'd.

>> The following proposals were passed by unanimous vote at the February 2026 Business Meeting

Proposal for changes to FLARC By-Laws, proposed by Jim CooperW2JC (December 2025)

Here are the rules for amending our By-Laws:

> **BY-LAW 11. AMENDMENTS**
> These Bylaws may be amended by the affirmative vote of a majority of the members voting at any regular or special business meeting of the Association, provided notice of such amendment or amendments and the nature thereof shall have been given to the members of the Association at least one month prior to the date of the meeting at which such amendment or amendments are to be presented for consideration. Any adopted amendments to the bylaws shall be binding on the members, including those who voted against them. Members not present at such meeting may vote prior to the meeting vote,by letter addressed to the secretary.

There has been discussion about revamping our club by-laws for over two years, and there has been a committee designated to suggest such updates for almost as long -- but nothing has been done over that time period. I have acquired a number of changes and clarifications which I feel would be appropriate until such time as a complete review might occur. I am presenting these to the membership for consideration, doing it prior to the January 2026 business meeting, so that members have more than the required one month notice.

1) The first suggested amendment is fairly minor, but important. An amendment to Section 4.5 Duties of the Treasurer was approved on December 2, 2019 by adding the following sentence to that section:

> ***The Treasurer shall furnish to each of the three Trustees, quarterly at the end of February, May, August and November, a "line item" summary of all transactions during those previous three months. This summary shall be provided prior to the business meeting of the following month (March, June, September and December).***

My proposal is to add "**and the four officers**" following "*each of the three Trustees*" in the above text.
The 2019 amendment was made on the basis that the club Trustees are charged with the fiduciary oversight of the club's operations, and they cannot reasonably do that without having such a line-item report.

> **Section 4.6 Duties of Trustees**
> The Trustees shall be responsible for review of property and financial accountability, enforcement of these bylaws and assisting the President in his duties regarding liaison with state, local and federal officials regarding Association business and emergency services, and shall fill in and assist other officers above as necessary for the good of the Association.

The reason I am proposing this amendment is that the officers of the club should also have this fiduciary info available to them as well. This also confirms to the entire Board that club accounts are being kept properly.

THEREFORE, it is proposed to amend the FLARC Bylaws Section 4.5 Duties of Treasurer **from**:

The Treasurer shall keep the books and accounts of the Association and shall perform any other duties usually assigned to a Treasurer. The Treasurer shall give Bond, if required by the Council. The Treasurer shall make payments only for bills properly approved by the Council. The Treasurer shall co-sign with the President or Vice President all checks drawn on the accounts of the Association. ***The Treasurer shall furnish to each of the three Trustees, quarterly at the end of February, May, August and November, a "line item" summary of all transactions during those previous three months. This summary shall be provided prior to the business meeting of the following month (March, June, September and December).*** The Treasurer may delegate a limited portion of Treasurer duties for a limited time, to another member of the Association in the absence or incapacity of the Treasurer. The limited delegation of duties of Treasurer shall be approved by the Council. The Treasurer shall maintain a database of members in good standing containing the names and addresses of each member of the Association, along with the date and manner of termination of such membership and shall perform all other duties usually appertaining to the Office of Treasurer.

To read:

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The Treasurer shall keep the books and accounts of the Association and shall perform any other duties usually assigned to a Treasurer. The Treasurer shall give Bond, if required by the Council. The Treasurer shall make payments only for bills properly approved by the Council. The Treasurer shall co-sign with the President or Vice President all checks drawn on the accounts of the Association. *The Treasurer shall furnish to each of the three Trustees* ***and the other three officers****, quarterly at the end of February, May, August and November, a "line item" summary of all transactions during those previous three months. This summary shall be provided prior to the business meeting of the following month (March, June, September and December).* The Treasurer may delegate a limited portion of Treasurer duties for a limited time, to another member of the Association in the absence or incapacity of the Treasurer. The limited delegation of duties of Treasurer shall be approved by the Council. The Treasurer shall maintain a database of members in good standing containing the names and addresses of each member of the Association, along with the date and manner of termination of such membership and shall perform all other duties usually appertaining to the Office of Treasurer.

2) My second proposal is also rather minor, but intended to bring the by-laws up to date in the age of computers. It is to simply add "email or" before "letter" in the last sentence of By-Law 11 Amendments.

THEREFORE, It is proposed to amend the FLARC Bylaw 11 **to read**:

BY-LAW 11. AMENDMENTS

These Bylaws may be amended by the affirmative vote of a majority of the members voting at any regular or special business meeting of the Association, provided notice of such amendment or amendments and the nature thereof shall have been given to the members of the Association at least one month prior to the date of the meeting at which such amendment or amendments are to be presented for consideration. Any adopted amendments to the bylaws shall be binding on the embers, including those who voted against them. Members not present at such meeting may vote prior to the meeting vote,by ***email or*** letter addressed to the secretary.

3) Another proposed change is intended just to clarify the requirement to be nominated for election as an officer or trustee.
The last sentence of Section 2.4 Nominating Committee reads:

"Only voting members in good standing will be accepted for nomination."

THEREFORE: It is proposed to amend FLARC By-Laws Section 2.4 **to read:**

Section 2.4 Nominating Committee

In the month of September of each calendar year, the Council shall appoint a nominating committee consisting of the two (2) Trustees of the Association whose term is not expiring at the end of the current year. The nominating committee will present its recommendation for the slate of Officers at the October business meeting. After the nominating committee has presented its recommendation, floor nominations will be accepted at this meeting and floor nominations will be accepted at the November business meeting. Only voting members in good standing will be accepted for nomination. **Per Section 4.1, a candidate for office of President, Vice President, Treasurer or Secretary shall be an active member in terms of participating and attendance for a period of no less than two years to be considered for Office.**

4) My fourth proposal is more serious, and regards Section 4.1 of the By-Laws which currently reads:

Section 4.1 Designation of Officers

The Officers of the Association shall be a President, Vice President, Treasurer and Secretary. The President, Vice President, Treasurer and Secretary shall be elected annually by the membership and shall hold office until their successors shall have been elected.

The wording "*shall hold office until their successors shall have been elected*" has been interpreted, for the past many years, to mean that after the election at the December Annual Meeting, the new officers take office

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immediately after the election results are announced. To avoid the confusion of changing "management" in the middle of a meeting, this has been worked around by immediately closing the Annual Meeting after announcing the election results. (Followed by the traditional Holiday Party).

This means that a new officer must "take over" without any preparation or transition from the prior officer.
Even our local, state and federal elections do not work this way!

The incumbent officers, if they are being replaced, should have the rest of December to close out and gather their records and documents and prepare them for transfer to the new officer(s). This gives the incumbents three weeks to 'wrap things up' and manage the transition to new officers. It also gives the new officers time to 'get up to speed' if they are replacing the incumbents. Although we have managed for 69 years, it's asking a lot for a new officer (especially Treasurer and Secretary) to step in and take office immediately after election, not even knowing until that moment that they would have the job, if there was a contested election.

THEREFORE: It is proposed that Section 4.1 of the By-Laws be amended **to read**:

Section 4.1 Designation of Officers
The Officers of the Association shall be a President, Vice President, Treasurer and Secretary. The President, Vice President, Treasurer and Secretary shall be elected annually by the membership and shall hold office **until the end of the calendar year in which their successors shall have been elected. During this time the previous officers shall prepare and transfer all their related records, documents and materials to their successors.**

These proposed amendments have been emailed to the full paid membership of the club on December 30, 2025 and again on January 29, 2026 so they can be voted on at the February 6, 2026 Business Meeting.

NOTE:
The Articles of Association and the By-Laws are posted in the FILES area of the FLARC groups.io website so all members have access. The By-Laws will be updated with the above changes in the near future.

https://fairlawnarc.groups.io/g/main/files/a_FLARC%20Articles%20of%20Association%20and%20By-Laws%20%28as%20amended%29